

AMENDMENTS TO THE CLAIMS

Kindly replace the claims as follows.

1-265. (cancelled)

266. (currently amended) A ~~repurchase agreement exchange~~ method comprising the steps of:

by automated repurchase agreement trading system, causing display on providing a plurality of user terminals of offerees, each displaying a lists of offers for repurchase agreements of securities for acceptance or negotiation by one or more of the offerees;

receiving from a user terminal ~~user~~ an offeror's data entry portion for defining potential ~~repurchase agreement terms for a repurchase agreement offer,~~ and

by automated repurchase agreement trading system, communicating negotiating messages between offeror and offeree with a potential counterparties counterparty, based on an identification of a respective repurchase agreement offer, through a negotiation communications interface to negotiate a repurchase agreement contract based on the repurchase agreement offer.

267. (Currently amended) The method of claim 266, wherein:

messages in the automated repurchase agreement trading system communicating offers for display designating the securities that are subject of the offer being two or more securities issues from among which the offeree may choose one or more; and

the negotiating messages include a selection from among the two or more offered securities that are to be the subject of the repurchase agreement contract, the automated repurchase agreement trading system being programmed arranged to void any outstanding offers ~~or~~ negotiations on agreement of the offeror and offeree.

268. (Previously presented) The method of claim 266, wherein:

the repurchase agreement offer includes data representing a proposal ~~proposes~~ to obligate the seller party among the parties to the repurchase agreement to repurchase securities within a range of securities substitutable for the sold securities at the option of the buyer.

269. (Previously presented) The method of claim 266, wherein:
the automated repurchase agreement trading system is programmed to control ~~[[s]]~~
transmitting messages describing ~~making available~~ the repurchase agreement offer or negotiating
the repurchase agreement contract based at least in part on a preestablished master repurchase
agreement between the offeror and offeree to whom the repurchase agreement offer is made
available.

270. (Previously presented) The method of claim 266, wherein:
the repurchase agreement offer includes data representing a proposal ~~proposes~~ to obligate
the seller party among the parties to the repurchase agreement to a short sale of securities.

271. (Previously presented) The method of claim 267 ~~[[266]]~~, wherein:
the repurchase agreement offer displayed to the offeree displays ~~[[has]]~~ one or more open
material terms that may be supplied in a counteroffer entered into the system by the offeree; and
the offeree and the offeror supply the open material terms by way of the negotiating
messages to negotiate a repurchase agreement contract based on the repurchase agreement offer.

272. (Previously presented) The method of claim 267 ~~[[266]]~~, wherein:
the sale price of the offered obligation to sell securities is at less than the market value of
the offered securities.

273. (Previously presented) The method of claim 266, wherein:
the automated repurchase agreement trading system is programmed to provide ~~[[s]]~~ the
capability to display the repurchase agreement offers to the offerees in a tree format and to
permit respective offerees to select repurchase agreement offers of interest.

274. (Currently amended) An automated repurchase agreement trading system comprising:

(a) ~~a plurality of trading terminals, each having a user interface comprising a display and keyboard; and~~

(b) ~~a central processor for establishing with~~ communications links to a plurality of ~~between said trading terminals, the central processor having programs to cause the central processor wherein each of said trading terminals:~~

to present [[s a]] hierarchical tree-formatted lists of repurchase agreement opportunities on trading terminals of respective offeree users, and to permit an offeree wherein a user at a trading terminal to [[can]] select one of said repurchase agreement opportunities of interest; and

when an offeree user at a trading terminal selects one of said repurchase agreement opportunities, to communicate directly with a messages between potential repurchase agreement counterparties [[y]] about the selected repurchase agreement opportunity.

275. (Currently amended) The repurchase agreement trading system of claim 274, wherein:

messages in the automated repurchase agreement trading system communicate offers for presentation to offerees, the messages designating the securities that are subject of the offer being two or more securities issues from among which an [[the]] offeree may choose one or more as provided by programs of the automated repurchase agreement trading system; and

the automated repurchase agreement trading system is programmed arranged to void any outstanding offers or negotiations on agreement of the offeree and the offeror.

276. (Currently amended) The repurchase agreement trading system of claim 274, wherein ~~wherein:~~

the programs are designed to cause the processor to manage repurchase agreement opportunities offer that propose [[s]] to obligate the seller party among the parties to the repurchase agreement to repurchase securities within a range of securities substitutable for the sold securities at the option of the buyer.

277. (Currently amended) The repurchase agreement trading system of claim 274, wherein:

the programs are designed to cause the processor to control ~~automated system controls~~
transmitting messages describing ~~making available~~ the repurchase agreement opportunity offer
or negotiating the repurchase agreement contract based at least in part on a preestablished master
repurchase agreement between the offeror and the offeree to whom the repurchase agreement
contract is made available.

278. (Currently amended) The repurchase agreement trading system of claim 274, wherein:

the programs are designed to cause the processor to arrange a top level of the tree
hierarchy ~~is arranged~~ by securities class.

279. (Currently amended) The repurchase agreement trading system of claim 274, wherein:

the programs are designed to cause the processor to arrange a level of the tree hierarchy ~~is~~
~~arranged~~ by dealer name.

280. (Currently amended) The repurchase agreement trading system of claim 274, wherein:

the programs are designed to cause the processor to arrange a level of the tree hierarchy ~~is~~
~~arranged~~ by transaction size.

281. (Currently amended) The repurchase agreement trading system of claim 274, wherein:

the programs are designed to cause the processor to arrange a level of the tree hierarchy ~~is~~
~~arranged~~ by proximity of bid and ask.

282. (Currently amended) A ~~repurchase agreement exchange~~ method [[,]] comprising the steps of:

providing a plurality of user terminals, each displaying a list of offers for repurchase agreements of securities;

receiving from a user terminal a user entry portion for defining potential repurchase agreement terms;

communicating between a party at a user terminal and a potential counterparty at another user terminal, based on an identification of a respective offer, through a negotiation communications interface; and

determining a net counterparty exposure of a party for at least one of an existing repurchase agreement and a party-counterparty pair, and indicating a compensating margin transfer for the net counterparty exposure.

283. (new) A method comprising the steps of:

by automated repurchase agreement trading system, transmitting to offerees messages describing an offeror's offer for a repurchase agreement contract for acceptance or negotiation by a one of the offerees, the repurchase agreement offer message proposing a pair of transactions:

- (a) an obligation of a selling party proposing the pair of transactions to sell securities to a prospective buyer, at a price less than the market value of the securities, the offered sell transaction proposing to obligate the seller to a short sale of the securities; and
- (b) an obligation of the selling party to repurchase securities from the buyer at a future date as agreed, at a future price as agreed; and

messages in the automated repurchase agreement trading system communicating offers for presentation to offerees, the messages designating two or more securities issues from among which an offeree may choose one or more as provided by programs of the automated repurchase agreement trading system, the repurchase agreement offer having one or more open material terms that may be supplied in a counteroffer by the offeree, the paired transactions related by the automated repurchase agreement trading system to require simultaneous and inseparable negotiation and/or acceptance by a one of the offeror and offeree;

by automated repurchase agreement trading system, providing the capability to display repurchase agreement offers to the offerees in a tree format that permits offerees to select repurchase agreement offers of interest; and

by automated repurchase agreement trading system, accepting input from the offeree by which the offeree indicates interest in the repurchase agreement offer, the messages including a selection from among the two or more offered securities that are to be the subject of the repurchase agreement contract, the messages supplying the open material terms, the automated repurchase agreement trading system requiring that the two transactions of a pair be contracted for between the buying and selling party simultaneously and inseparably, the automated repurchase agreement trading system transmitting to offerees messages describing the repurchase agreement offer or negotiating the repurchase agreement contract based at least in part on a preexisting master repurchase agreement between the offeror and the offeree to whom the repurchase agreement offer is made available, the automated repurchase agreement trading system is programmed to void any outstanding negotiations on agreement of the offeror and offeree.

284. (new) An automated repurchase agreement trading system with tangible memory, the tangible memory storing one or more programs programmed to cause the automated repurchase agreement trading system to:

transmit offer messages communicating to offerees descriptions of offers for repurchase agreement contracts for acceptance or negotiation by a one of the offerees, at least one of the communicated offers designating two or more securities issues from among which an offeree may choose one or more as provided by programs of the automated repurchase agreement trading system; and

transmit messages between the offeror and offeree to negotiate a repurchase agreement contract based on the repurchase agreement offer, the messages including a selection from among the two or more offered securities that are to be the subject of the repurchase agreement contract, the automated repurchase agreement trading system programmed to void any outstanding negotiations on agreement of the offeror and offeree.

285. (new) The system of claim 284, wherein the programs are designed to cause the automated repurchase agreement trading system to maintain anonymity of a user until the user communicates with a potential counterparty.

286. (new) The system of claim 284, the programs are designed to cause the automated repurchase agreement trading system to display the repurchase agreement offers to offerees as a hierarchal list sorted according to user defined criteria.

287. (new) The system of claim 284, the programs are designed to cause the automated repurchase agreement trading system to display the repurchase agreement offers to offerees as a hierarchal list filtered according to user defined criteria.

288. (new) The trading system of claim 284, the memory further embodying programming to:

transmit information between the offeror and offeree by which the offeree supplies the open material terms to negotiate a repurchase agreement contract based on the repurchase agreement offer.

289. (new) The trading system of claim 284, wherein:
the programs are designed to cause the automated repurchase agreement trading system to manage repurchase agreement offers that propose to sell securities at a sale price less than the market value of the offered securities.

290. (new) A method, comprising the steps of:
by automated repurchase agreement trading system, transmitting offer messages communicating to offerees descriptions of offers for repurchase agreement contracts for acceptance or negotiation by a one of the offerees, at least one of the communicated offers designating two or more securities issues from among which an offeree may choose one or more as provided by programs of the automated repurchase agreement trading system; and

by automated repurchase agreement trading system, communicating messages between offeror and offeree to negotiate a repurchase agreement contract based on the repurchase agreement offer, the messages including a selection from among the two or more offered securities that are to be the subject of the repurchase agreement contract, the automated repurchase agreement trading system programmed to void any outstanding negotiations on agreement of the offeror and offeree.

291. (new) The method of claim 290, wherein a record is communicated between at least two user terminals comprising particulars of a proposed repurchase agreement contract, comprising an amount, a rate, a term, and an identification of securities.

292. (new) The method of claim 291, wherein the particulars further comprise a margin.

293. (new) The method of claim 291, wherein the identification of securities comprises an issuer and a maturity range.

294. (new) The method of claim 293, wherein the identification of the securities further comprises a number of instruments representing the amount, and the record further identifies a disposition of securities and a right of collateral substitution.

295. (new) The method of claim 291, wherein a bid record is compared with an ask record to selectively indicate a difference therebetween.

296. (new) The method of claim 291, wherein the specified future price is the price of the sale plus imputed interest, and the rate for the imputed interest is a funding rate distinct from an interest rate and a yield rate associated with the securities.

297. (new) The method of claim 291, wherein the record further comprises a right of substitution, margin, and securities type.

298. (new) The method of claim 290, wherein:

the repurchase agreement offer includes data representing a proposal to obligate the seller party among the parties to the repurchase agreement to repurchase securities within a range of securities substitutable for the sold securities at the option of the buyer.

299. (new) The method of claim 290, wherein:

the automated repurchase agreement trading system is programmed to transmit to messages describing the repurchase agreement offer to offerees or negotiating the repurchase agreement contract based at least in part on a preestablished master repurchase agreement between the offeror and offeree to whom the repurchase agreement offer is made available.

300. (new) The method of claim 290, wherein:

the repurchase agreement offer includes data representing a proposal to obligate the seller party among the parties to the repurchase agreement to a short sale of securities.

301. (new) The method of claim 290:

wherein the repurchase agreement offer has one or more open material terms that may be supplied in a counteroffer by the offeree;

and further comprising the step of, by automated repurchase agreement trading system, transmitting messages between the offeror and offeree by which they supply the open material terms to negotiate a repurchase agreement contract based on the repurchase agreement offer.

302. (new) The method of claim 290, in which the repurchase agreement is structured to permit a first party to effect a collateralized loan from a second party with nominal transfer of ownership of the security from the first party to the second party, wherein the repurchase agreement presents at least one of a risk of default by the first party or second party and a securities value fluctuation risk, and wherein the communicating with the offeree, through the negotiation communications interface, includes sufficient information to evaluate at least one of the default risk and the securities value fluctuation risk, and to communicate collateralized loan terms.

303. (new) The method of claim 290, further comprising the step of hierarchically sorting the list of offers according to at least one hierarchal sort criterion.

304. (new) The method of claim 290, wherein:
the repurchase agreement offer includes data representing a proposal to sell securities at a sale price less than the market value of the offered securities.

305. (new) The method of claim 290, wherein:
the automated repurchase agreement trading system is programmed to provide the capability to display repurchase agreement offers to the offerees in a tree format and permits offerees to select repurchase agreement offers of interest.

306. (new) The method of claim 290, comprising the steps of defining a density profile, and updating the density profile after a transaction.

307. (new) The method of claim 290, further comprising the steps of, for at least one of an existing repurchase agreement and an offeror-offeree pair, determining a net exposure in respect of one party against the other, and indicating a compensating margin transfer for the net exposure.

308. (new) The method of claim 290, wherein:
the repurchase agreement offer includes one or more pairs of transactions, the transactions of a pair related by the automated repurchase agreement trading system to require simultaneous and inseparable negotiation and/or acceptance by a one of the offerees and an offeror of the offeror of the pair, the automated repurchase agreement trading system requiring that the two transactions of a pair be contracted for between the offeror and offeree simultaneously and inseparably.

309. (new) The method of claim 290:
wherein a displayed list of offers initially does not identify an offeree;
further comprising the step of, after receiving from the offeror potential repurchase agreement terms, identifying at least one offeree during said communicating step.

310. (new) The method of claim 290, wherein:
the automated repurchase agreement trading system is programmed to provide the offeror with the capability to specify that the securities that are subject of the offer are selected from at least the group consisting of particular securities, two or more securities issues from among which the offeree may choose one or more, or an open term supplyable by the offeree.

311. (new) The method of claim 290, further comprising the step of, for at least one of an existing repurchase agreement and an offeror-offeree pair, determining a net exposure in respect of one party against the other.

312. (new) The method of claim 290, wherein:
the repurchase agreement offer includes data representing a proposal to obligate the seller party among the parties to the repurchase agreement to repurchase the securities identical to those sold by the seller.

313. (new) A method, comprising the steps of:

by automated repurchase agreement trading system, transmitting messages to offerees describing an offeror's offer for a repurchase agreement contract for acceptance or negotiation by a one of the offerees, the repurchase agreement offer message proposing to obligate a seller party among the parties to the repurchase agreement to sell securities to a prospective buyer party and to obligate the seller to repurchase securities within a range of securities substitutable for the sold securities at the option of the buyer at a future date as agreed, at a future price as agreed; and

by automated repurchase agreement trading system, transmitting messages between the offeror and offeree to negotiate a repurchase agreement contract based on the repurchase agreement offer.

314. (new) The method of claim 313, wherein:

the automated repurchase agreement trading system is programmed to transmit messages describing the repurchase agreement offer or negotiating the repurchase agreement contract based at least in part on a preestablished master repurchase agreement between the offeror and offeree to whom the repurchase agreement offer is made available.

315. (new) The method of claim 313, wherein:

the repurchase agreement offer includes data representing a proposal to obligate the seller to a short sale of securities.

316. (new) The method of claim 313:

wherein the offer has one or more open material terms that may be supplied in a counteroffer by the offeree;

by automated repurchase agreement trading system, transmitting messages between the offeree and the offeror by which they supply the open material terms to negotiate a repurchase agreement contract based on the repurchase agreement offer.

317. (new) The method of claim 313, wherein:

the automated repurchase agreement trading system is programmed to provide the offeror with the capability to specify that the securities that are subject of the offer are selected from at least the group consisting of particular securities, two or more securities issues from among which the offeree may choose one or more, or an open term supplyable by the offeree.

318. (new) The method of claim 313, further comprising the steps of:

by automated repurchase agreement trading system, calculating a net exposure of the parties relative to each other as value of the securities fluctuates, and sending notice to the buyer or seller of a requirement to transfer margin.

319. (new) A automated repurchase agreement trading system with tangible memory, the tangible memory storing one or more programs programmed to cause the automated repurchase agreement trading system to:

make available to offerees a description of a repurchase agreement offer for acceptance or negotiation by a one of the offerees, the repurchase agreement offer message proposing to obligate a seller party among the parties to the repurchase agreement to sell securities to the offeree and to obligate the seller to repurchase securities within a range of securities substitutable for the sold securities at the option of the buyer at a future date as agreed, at a future price as agreed; and

by automated repurchase agreement trading system, transmitting messages between the offeree and the offeror to negotiate a repurchase agreement contract based on the repurchase agreement offer.

320. (new) The automated repurchase agreement trading system of claim 319, wherein:

the programs are designed to cause the automated repurchase agreement trading system to manage repurchase agreement offers that propose to sell securities at a sale price less than the market value of the offered securities.

321. (new) The automated repurchase agreement trading system of claim 319, wherein:
the automated repurchase agreement trading system is programmed to provide the capability to display repurchase agreement offers to the offerees in a tree format and permits offerees to select repurchase agreement offers of interest.

322. (new) The automated repurchase agreement trading system of claim 319, wherein:
the programs are designed to transmit offer messages communicating to offerees descriptions of offers for repurchase agreement contracts for acceptance or negotiation by a one of the offerees, at least one of the communicated offers designating two or more securities issues from among which an offeree may choose one or more as provided by programs of the automated repurchase agreement trading system; and
the automated repurchase agreement trading system is programmed to void any outstanding negotiations on agreement of the offeror and offeree.

323. (new) A method, comprising the steps of:
by automated repurchase agreement trading system, transmitting to offerees messages describing a repurchase agreement offer for acceptance or negotiation by a one of the offerees;
and

by automated repurchase agreement trading system, transmitting messages between the offeree and the offeror to negotiate a repurchase agreement contract based on the repurchase agreement offer, the automated repurchase agreement trading system transmitting messages describing the repurchase agreement offer to offerees or negotiating the repurchase agreement contract based at least in part on a preestablished master repurchase agreement between the offeror and offeree to whom the repurchase agreement offer is made available.

324. (new) The method of claim 323, wherein:
the repurchase agreement offer includes data representing a proposal to obligate the seller party among the parties to the repurchase agreement to a short sale of securities.

325. (new) The method of claim 323:

wherein the offer has one or more open material terms that may be supplied in a counteroffer by the offeree;

and further comprising the step of, by automated repurchase agreement trading system, transmitting messages between the offeree and the offeror by which they supply the open material terms to negotiate a repurchase agreement contract based on the repurchase agreement offer.

326. (new) The method of claim 323, wherein:

the repurchase agreement offer includes data representing a proposal to sell securities at a sale price less than the market value of the offered securities.

327. (new) The method of claim 323, further comprising the step of:

in response to the input from the offeree, revealing the identities of the offeror and offeree to each other.

328. (new) The method of claim 323, further comprising the step of:

in response to the input from the offeree, calculating one or more of the values from the group consisting of total counterparty exposure, discount rate, and offsetting transaction.

329. (new) The method of claim 323, further comprising the step of:

displaying descriptions of several repurchase agreement offers to a offeree, the display being organized in a tree format.

330. (new) The method of claim 323, further comprising the steps of:

by automated repurchase agreement trading system, calculating a net exposure of the parties relative to each other as value of the securities fluctuates, and sending notice to the buyer or seller parties among the parties to the repurchase agreement of a requirement to transfer margin.

331. (new) A automated repurchase agreement trading system with tangible memory, the tangible memory storing one or more programs programmed to cause the automated repurchase agreement trading system to:

make available to offerees a description of an offer for a repurchase agreement contract for acceptance or negotiation by a one of the offerees; and

transmit messages between the offeree and the offeror to negotiate a repurchase agreement contract based on the repurchase agreement offer, the automated repurchase agreement trading system transmitting messages offering the repurchase agreement offer to offerees or negotiating the repurchase agreement contract based at least in part on a preestablished master repurchase agreement between the offeror and the offeree to whom the repurchase agreement offer is made available.

332. (new) The automated repurchase agreement trading system of claim 331, wherein: the automated repurchase agreement trading system is programmed to provide the capability to display repurchase agreement offers to the offerees in a tree format and permits offerees to select repurchase agreement offers of interest.

333. (new) The automated repurchase agreement trading system of claim 331, wherein: the programs are designed to transmit offer messages communicating to offerees descriptions of offers for repurchase agreement contracts for acceptance or negotiation by a one of the offerees, at least one of the communicated offers designating two or more securities issues from among which an offeree may choose one or more as provided by programs of the automated repurchase agreement trading system
the automated repurchase agreement trading system is programmed to void any outstanding negotiations on agreement of the offeree and the offeror.

334. (new) The automated repurchase agreement trading system of claim 331, wherein: the programs are designed to cause the automated repurchase agreement trading system to manage repurchase agreement offers that propose to obligate the seller party among the parties

to the repurchase agreement to repurchase securities within a range of securities substitutable for the sold securities at the option of the buyer.

335. (new) A method, comprising the steps of:

by automated repurchase agreement trading system, transmitting to offerees messages offering a repurchase agreement offer for acceptance or negotiation by a one of the offerees, the repurchase agreement offer message proposing to obligate the seller party among the parties to the repurchase agreement to a short sale of securities; and

by automated repurchase agreement trading system, transmitting messages between the offeree and the offeror to negotiate a repurchase agreement contract based on the repurchase agreement offer.

336. (new) The method of claim 335, wherein:

wherein the offer has one or more open material terms that may be supplied in a counteroffer by the offeree;

and further comprising the step of, by automated repurchase agreement trading system, transmitting messages between the offeree and the offeror by which they supply the open material terms to negotiate a repurchase agreement contract based on the repurchase agreement offer.

337. (new) The method of claim 335, wherein:

the repurchase agreement offer includes data representing a proposal to sell securities at a sale price less than the market value of the offered securities.

338. (new) The method of claim 335:

further comprising the step of by automated repurchase agreement trading system, transmitting offer messages communicating to offerees descriptions of offers for repurchase agreement contracts for acceptance or negotiation by a one of the offerees, at least one of the communicated offers designating two or more securities issues from among which an offeree

may choose one or more as provided by programs of the automated repurchase agreement trading system; and

wherein the automated repurchase agreement trading system is programmed to void any outstanding negotiations on agreement of the offeree and the offeror.

339. (new) The method of claim 335, further comprising the steps of:

by automated repurchase agreement trading system, calculating a net exposure of the parties relative to each other as value of the securities fluctuates, and sending notice to the buyer or seller parties among the parties to the repurchase agreement of a requirement to transfer margin.

340. (new) A method, comprising the steps of:

by automated repurchase agreement trading system, transmitting to offerees messages offering pairs of transactions, the transactions of a pair related by the automated repurchase agreement trading system to require simultaneous and inseparable negotiation and/or acceptance by a one of the offeree parties and an offeror of a pair, the offered pairs of transactions each including:

- (a) an obligation of a selling one of the parties to sell securities to a buying one of the parties; and
- (b) an obligation of the selling party to repurchase securities from the buying party at a future date as agreed, at a future price as agreed; and

by automated repurchase agreement trading system, transmitting messages between a prospective buying party and a prospective selling party to a pair of transactions by which they negotiate terms of one or both of the transactions, the automated repurchase agreement trading system requiring that the two transactions of a pair be contracted for between the buying and selling party simultaneously and inseparably.

341. (new) The method of claim 340:

further comprising the step of by automated repurchase agreement trading system, transmitting offer messages communicating to offerees descriptions of offers for repurchase

agreement contracts for acceptance or negotiation by a one of the offerees, at least one of the communicated offers designating two or more securities issues from among which an offeree may choose one or more as provided by programs of the automated repurchase agreement trading system; and

wherein the transmitted messages include a selection from among the two or more offered securities that are to be the subject of the repurchase agreement contract between the buying party and the selling party, the automated repurchase agreement trading system programmed to void any outstanding negotiations that are inconsistent with the repurchase agreement contract reached between the buying party and the selling party that are inconsistent with the repurchase agreement contract.

342. (new) The method of claim 340, wherein:

the obligation of the selling party to repurchase gives the buying party an option to substitute a range of securities, and obligates the seller party among the parties to the repurchase agreement to repurchase the substituted securities.

343. (new) The method of claim 340, wherein:

the automated repurchase agreement trading system is programmed to transmit messages offering the offers of transaction pairs to offerees or negotiation of terms based at least in part on a preestablished master repurchase agreement between the offeror and the offeree to whom the offer is made available.

344. (new) The method of claim 343, further comprising the step of:

in response to the input from the offeree party, revealing the identities of the offeror and offeree to each other.

345. (new) The method of claim 340, further comprising the step of:

in response to the input from the offeree party, calculating one or more of the values from the group consisting of total counterparty exposure, discount rate, and offsetting transaction.

346. (new) The method of claim 340, wherein:

an offered transaction pair includes data representing a proposal to obligate the seller party among the parties to the repurchase agreement to a short sale of securities.

347. (new) The method of claim 340, wherein:

the offered transaction pair includes data representing a proposal to obligate the seller party among the parties to the repurchase agreement to repurchase the securities identical to those sold by the seller.

348. (new) The method of claim 340, wherein:

the offered transaction pair specifies class of securities.

349. (new) The method of claim 340, wherein:

the offered transaction pair specifies the specified repurchase date.

350. (new) The method of claim 340, wherein:

the offered transaction pair specifies an imputed interest rate or specified future price.

351. (new) The method of claim 340, wherein:

a one of the offered transaction pairs has one or more open material terms that may be supplied in a counteroffer by a one of the prospective parties; and

the transmitted messages supply the open material terms to form a repurchase agreement contract based on the offered transaction pair.

352. (new) The method of claim 351, wherein:

the open term includes securities class.

353. (new) The method of claim 351, wherein:

the open term includes term to maturity of the securities.

354. (new) The method of claim 351, wherein:

the open term includes a right of substitution.

355. (new) The method of claim 351, wherein:

the open term includes the term of the repurchase agreement or the specified date for the repurchase.

356. (new) The method of claim 351, wherein:

the open term includes a margin amount.

357. (new) The method of claim 351, wherein:

the automated repurchase agreement trading system is programmed to provide the offeror with the capability to specify that the securities that are subject of the offer are selected from at least the group consisting of particular securities, two or more securities issues from among which the offeree party may choose one or more, or an open term supplyable by the offeree.

358. (new) The method of claim 340, wherein:

the sale price of the offered obligation to sell is at less than the market value of the offered securities.

359. (new) The method of claim 340, further comprising the steps of:

by automated repurchase agreement trading system, calculating a net exposure of the parties relative to each other as value of the securities fluctuates, and sending notice to the buyer or seller party among the parties to the repurchase agreement of a requirement to transfer margin.

360. (new) The method of claim 340, wherein:

the automated repurchase agreement trading system is programmed to provide the capability to display the repurchase agreement offers to the offeree parties in a tree format and permits respective offerees to select repurchase agreement offers of interest from the tree-format display.

361. (new) The method of claim 360, wherein:
a top level of the tree is arranged by securities class.

362. (new) The method of claim 360, wherein:
a level of the tree is arranged by dealer name.

363. (new) The method of claim 360, wherein:
a level of the tree is arranged by transaction size.

364. (new) The method of claim 360, wherein:
a level of the tree is arranged by proximity of bid and ask.

365. (new) A collection of one or more tangible computer-readable memory units, having embodied thereon one or more programs designed to cause a computer trading system to:
make available to offeree parties offers of pairs of transactions, the transactions of a pair related by the automated repurchase agreement trading system to require simultaneous and inseparable negotiation and/or acceptance by a one of the offeree parties and an offeror of a pair, the offered pairs of transactions each including:

- (a) an obligation of a selling one of the parties to sell securities to a buying one of the parties; and
- (b) an obligation of the selling party to repurchase securities from the buying party at a future date as agreed, at a future price as agreed; and

transmit messages between a prospective buying party and a prospective selling party to a pair of transactions by which they negotiate terms of one or both of the transactions, and to require that the two transactions of a pair be contracted for between the buying and selling party simultaneously and inseparably.

366. (new) The tangible computer-readable memory unit(s) of claim 365, being further programmed to:

by automated repurchase agreement trading system, transmit offer messages communicating to offerees descriptions of offers for repurchase agreement contracts for acceptance or negotiation by a one of the offerees, at least one of the communicated offers designating two or more securities issues from among which an offeree may choose one or more as provided by programs of the automated repurchase agreement trading system; and

transmit messages that include a selection from among the two or more offered securities that are to be the subject of the repurchase agreement contract between the buying party and the selling party, and to void any outstanding negotiations that are inconsistent with the repurchase agreement contract reached between the buying party and the selling party that are inconsistent with the repurchase agreement contract.

367. (new) The tangible computer-readable memory unit(s) of claim 365, being further programmed to:

offer the buying party an option to substitute a range of securities, and obligate the seller party among the parties to the repurchase agreement to repurchase the substituted securities.

368. (new) The tangible computer-readable memory unit(s) of claim 365, being further programmed to:

transmit messages offering transaction pairs or negotiating terms based at least in part on a preestablished master repurchase agreement between the offeror and the offeree to whom the offer is made available.

369. (new) The tangible computer-readable memory unit(s) of claim 365, being further programmed to:

offer a transaction pair proposing to obligate the seller party among the parties to the repurchase agreement to a short sale of securities.

370. (new) The tangible computer-readable memory unit(s) of claim 365, being further programmed to:

offer a one or more transaction pairs having one or more open material terms that may be supplied in a counteroffer by a one of the prospective parties; and

transmit messages to supply the open material terms to form a repurchase agreement contract based on the offered transaction pair.

371. (new) The tangible computer-readable memory unit(s) of claim 370, wherein:
the open term includes securities class.

372. (new) The tangible computer-readable memory unit(s) of claim 370, wherein:
the open term includes a right of substitution.

373. (new) The tangible computer-readable memory unit(s) of claim 370, being further programmed to:

provide the offeror with the capability to specify that the securities that are subject of the offer are selected from at least the group consisting of particular securities, two or more securities issues from among which the offeree party may choose one or more, or an open term supplyable by the offeree.

374. (new) The tangible computer-readable memory unit(s) of claim 365, being further programmed to:

offer an obligation to sell at less than the market value of the offered securities.

375. (new) The tangible computer-readable memory unit(s) of claim 365, being further programmed to:

provide a capability to display the repurchase agreement offers to the offeree parties in a tree format and to permit respective offerees to select repurchase agreement offers of interest from the tree-format display.